

Customer connector
OptiMOS7™ 40V SSO4G Family

Infineon Automotive MOSFET

April 2026

restricted

OptiMOS7™ 40V SSO4G Family
For IMS Designs & Legacy BLDC Footprint -Designs

Application 1: IMS Design	Application 2: Legacy BLDC
	
Higher TCOB on IMS-PCB designs (Insulated Metal Substrate)	100% Footprint compatibility on old legacy BLDC designs
Leaded package with Cu-Clip for IMS & legacy footprint design compatibility	5x6 mm² footprint

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How OptiMOS7™ 40V SSO4G Family addresses the challenges for TCOB & footprint compatibility?

Key requirements in application	Typical challenges	Features, benefits and customer value
1. 5x6 Footprint compatibility for old designs 2. 5x6 Footprint compatibility for new designs	1. Chose SSO8 5x6 or SSO4G 5x6 2. Chose SSO8 5x6 or SSO4G 5x6	– Select SSO4G 5x6 for old design compatibility – Select SSO8 5x6 for best value performance

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What is Infineon's SSO4G Family positioning?
It is especially for old design compatibility and IMS niche applications

OptiMOS7™ 40V SSO4G 5x6 family vs SSO8 5x6 family

Key differentiating value proposition of the product family

Leaded

OptiMOS7™ 40V SSO4G 5x6

IAUCN04S7N010G	IAUCN04S7N037G
IAUCN04S7N015G	IAUCN04S7L042G
IAUCN04S7N019G	IAUCN04S7N047G
IAUCN04S7N027G	

Key differentiating features of the product family:

- SSO4G for old design compatibility
- SSO4G for IMS (Insulated Metal Substrate) designs

Leadless

OptiMOS7™ 40V SSO8 5x6

IAUCN04S7L004	IAUCN04S7L006
IAUCN04S7N004	IAUCN04S7N006
IAUCN04S7L005	IAUCN04S7L009
IAUCN04S7N005	IAUCN04S7N009

Key differentiating features of the product family:

- SSO8 Best Value Performance
- SSO8 for future automotive MOSFET designs

OptiMOS7™ 40V SSO8 5x6

IAUCN04S7L011	IAUCN04S7L019
IAUCN04S7N012	IAUCN04S7N020
IAUCN04S7L014	IAUCN04S7L028
IAUCN04S7N015	IAUCN04S7N030

Key differentiating features of the product family:

- SSO8 Best Value Performance
- SSO8 for future automotive MOSFET designs

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Ordering information

Orderable part number (OPN)	Ordering code (SP number)	Package information
IAUCN04S7N010GATMA1	SP005984384	PG-THSOG-4
IAUCN04S7N015GATMA1	SP005988884	PG-THSOG-4
IAUCN04S7N019GATMA1	SP005988880	PG-THSOG-4
IAUCN04S7N027GATMA1	SP005988868	PG-THSOG-4
IAUCN04S7N037GATMA1	SP005988864	PG-THSOG-4
IAUCN04S7N047GATMA1	SP005988860	PG-THSOG-4
IAUCN04S7L042GATMA1	SP006055284	PG-THSOG-4

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Guiding questions

Summary of key arguments

- Standard leadless SSO8 5x6 package is best price & value performance
- For old legacy SSO4G can help to have 100% footprint compatibility
- For niche applications on IMS (Insulated Metal Substrate) SSO4G fits well

Questions to ask to the customer

- Are you looking for best price& value performance for future design?
- Are you looking for very broad portfolio and market leading technology?
- If Yes, then SSO8 5x5 is long-term the best fit
- If you are looking for old legacy design with 100% footprint compatibility, then SSO8G can be a good fit to match, but also SSO8 is footprint compatible

FAQs

FAQ1

- Q: Is SSO8 5x6 footprint compatible to LFPAK56?
- A: Yes

FAQ2

- Q: Is SSO4G 5x6 footprint compatible to LFPAK56?
- A: Yes

FAQ3

- Q: Which has better value & performance - SSO8 5x6 or SSO4G 5x6?
- A: SSO8 5x6 !

FAQ4

- Q: Which has broader portfolio - SSO8 5x6 or SSO4G 5x6?
- A: SSO8 5x6 !

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